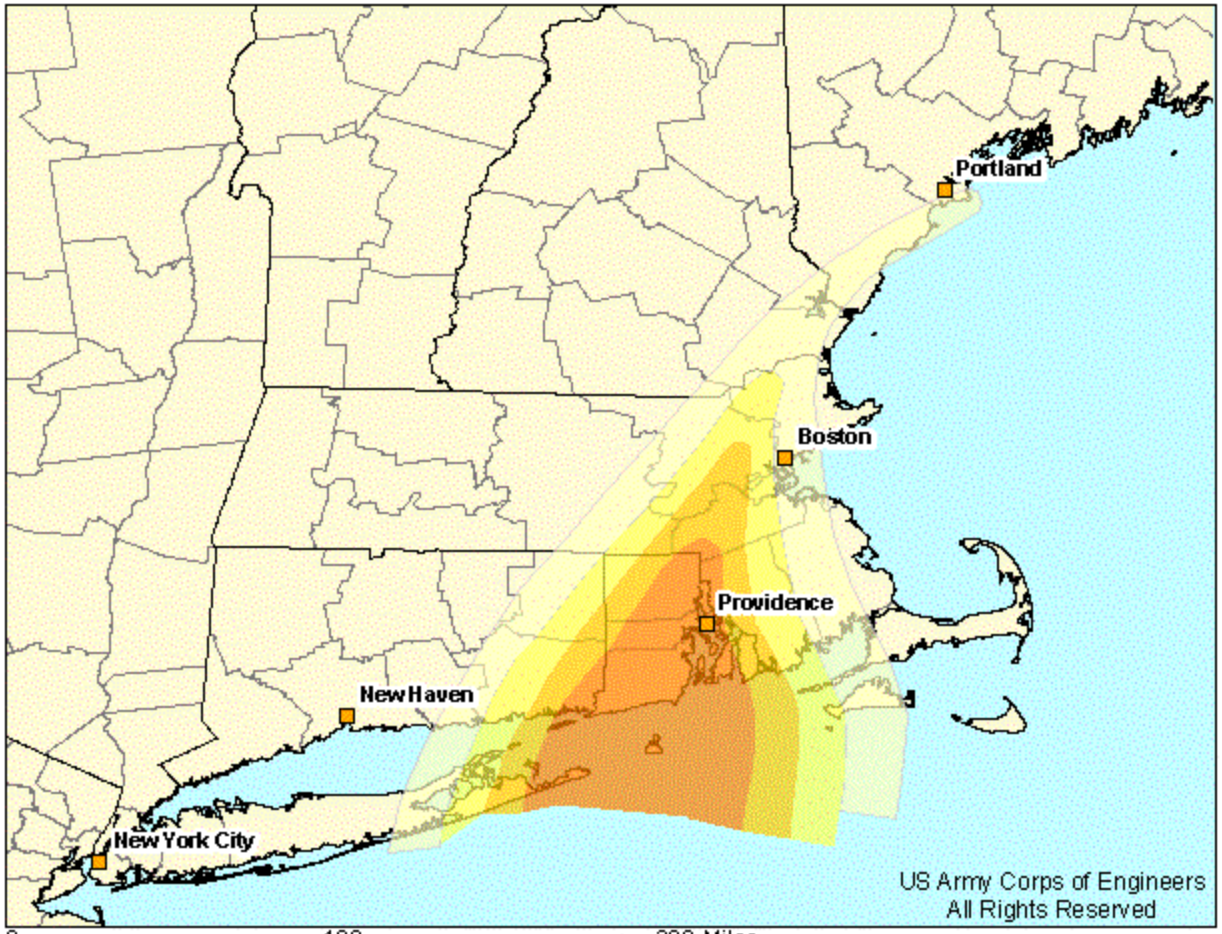
Hurricane NoName Projected Damage Areas

US Army Corps of Engineers

Landfall Expected In About 24 Hours

For Planning Purposes Only!



Post Landfall Projected Damage Areas

This model is based on a Category 3 storm making landfall on coastal RI.

Projected Damage Areas

- CAT 0-type damage
- CAT 1-type damage
- CAT 2-type damage
- CAT 3-type damage
- CAT 4-type damage
- CAT 5-type damage

Information provided on this page displays a projected or actual Category 3 storm making landfall on coastal RI. These projections are based on information from the NHC (1230 EDT 08/12/2009) forecast and extrapolated by LRL staff to represent a landfall condition that has either occurred or may occur in the near future.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

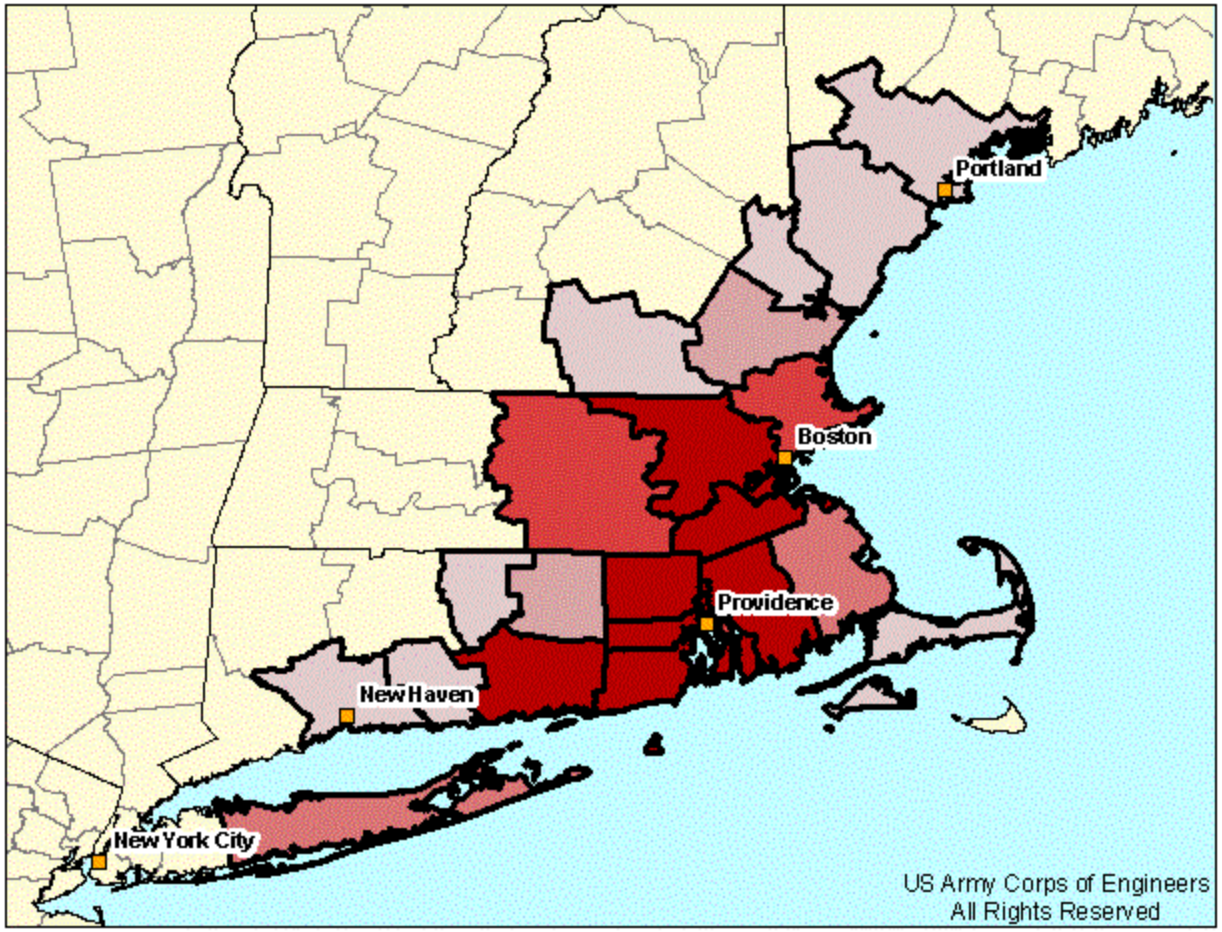
Hurricane NoName Projected Damage Areas	
Generated By: Siemsen, LRL 1300 EDT 08/12/2009	
Sources: HURREVAC LRL-DEBRIS	Page 1 of 13

US Army Corps of Engineers

Hurricane NoName Debris Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!



Post Landfall Debris Model Results

RI - 15,528,000 Yards
MA - 14,169,000 Yards
CT - 1,587,000 Yards
NY - 410,000 Yards
NH - 224,000 Yards
ME - 103,000 Yards

Model results per County on following page

This model is based on a Category 3 storm making landfall on coastal RI.

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 3 storm making landfall on coastal RI. These projections are based on information from the NHC (1230 EDT 08/12/2009) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Debris Model

Generated By:
Siemsen, LRL 1300 EDT 08/12/2009

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Debris Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!

State	Yards per State	County	Yards per County
Connecticut		Middlesex County	42,000
		New Haven County	< 1,000
		New London County	1,308,000
		Tolland County	7,000
		Windham County	230,000
Connecticut	1,587,000		
Maine		Cumberland County	9,000
		York County	94,000
Maine	103,000		
Massachusetts		Barnstable County	28,000
		Bristol County	2,962,000
		Dukes County	19,000
		Essex County	944,000
		Middlesex County	4,767,000
		Norfolk County	2,591,000
		Plymouth County	426,000
		Suffolk County	1,725,000
		Worcester County	707,000
Massachusetts	14,169,000		
New Hampshire		Hillsborough County	12,000
		Rockingham County	165,000
		Strafford County	47,000
New Hampshire	224,000		
New York		Suffolk County	410,000
New York	410,000		
Rhode Island		Bristol County	588,000
Rhode Island (continued)		Kent County	2,988,000
		Newport County	1,120,000
		Providence County	8,263,000
		Washington County	2,569,000
Rhode Island	15,528,000		

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane NoName Debris Model

Generated By:
Siemsen, LRL 1300 EDT 08/12/2009

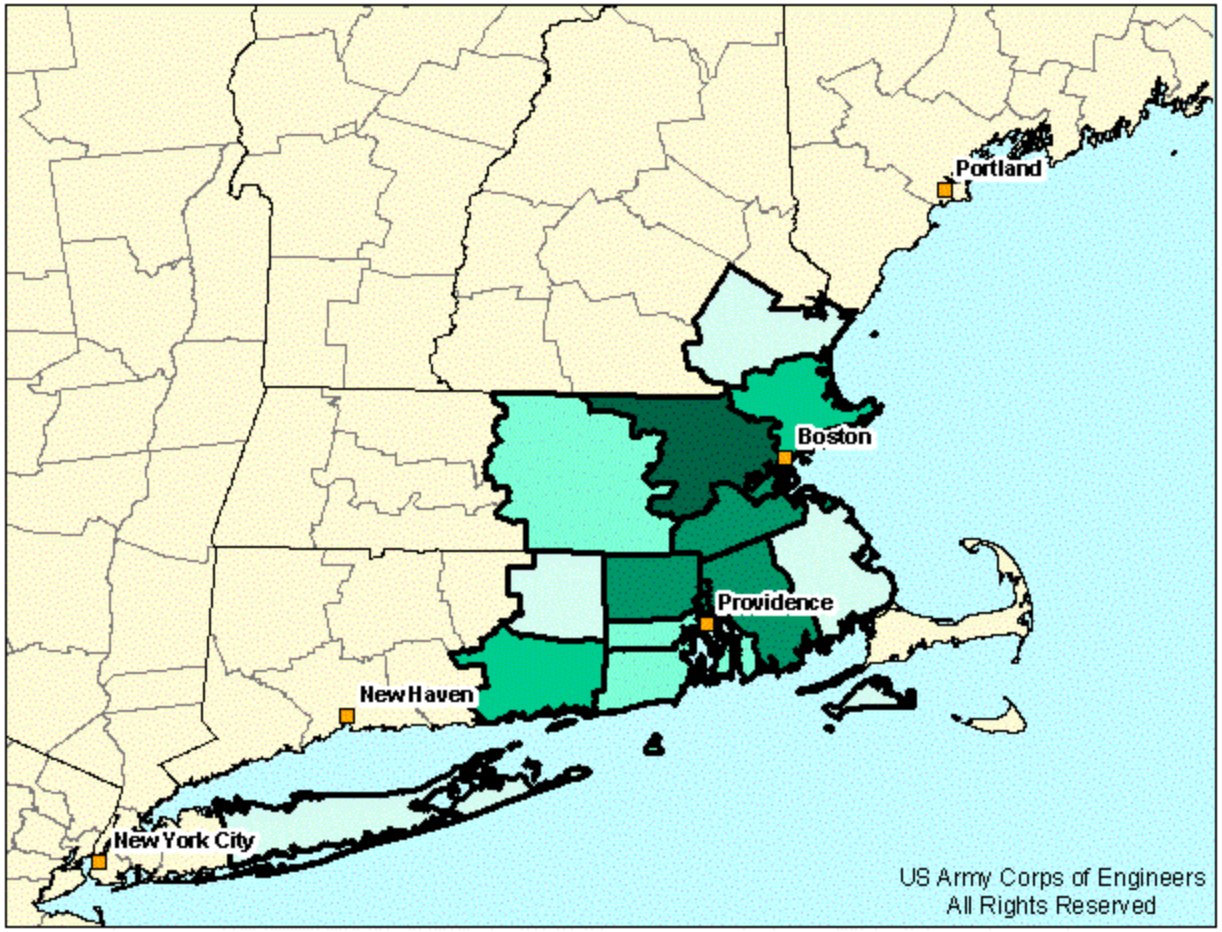
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Commodities Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!



Post Landfall Water Model Results

Day One / Day Two / Day Three

MA – 38/76/153 Truckloads
RI – 14/28/56 Truckloads
CT – 4/8/15 Truckloads
NY – 1/2/3 Truckloads
NH – 1/1/1 Truckload

Model results per County on following page

This model is based on a Category 3 storm making landfall on coastal RI.

Commodities

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 3 storm making landfall on coastal RI. These projections are based on information from the NHC ***(1230 EDT 08/12/2009)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements and SME input. The graphic represents daily needs with a ramp-up in the distribution system – three days for Points of Distribution (PODs) to be fully in place and operational. Volume shown is for each commodity – water and ice. Commodity need may be supplied by multiple agencies and/or sources.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Commodities Model	
Generated By: Siemsen, LRL 1300 EDT 08/12/2009	
Sources: HURREVAC LRL-DEBRIS	Page 4 of 13

US Army Corps of Engineers

Hurricane NoName Commodities Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!

State	Truckloads per State	County	Truckloads per County
Connecticut		New London County	12
		Windham County	3
Connecticut	15		
Massachusetts		Bristol County	27
		Dukes County	1
		Essex County	11
		Middlesex County	54
		Norfolk County	24
		Plymouth County	4
		Suffolk County	27
		Worcester County	5
Massachusetts	153		
New Hampshire		Rockingham County	1
New Hampshire	1		
New York		Suffolk County	3
New York	3		
Rhode Island		Bristol County	3
		Kent County	9
		Newport County	5
		Providence County	32
		Washington County	7
Rhode Island	56		

Source: US Army Corps of Engineers, All Rights Reserved

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested daily needs based on full deployment of a commodities distribution system. Volume shown is for each commodity – water and ice. Commodity need may be supplied by multiple agencies and/or sources.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Commodities Model

Generated By:
Siemsen, LRL 1300 EDT 08/12/2009

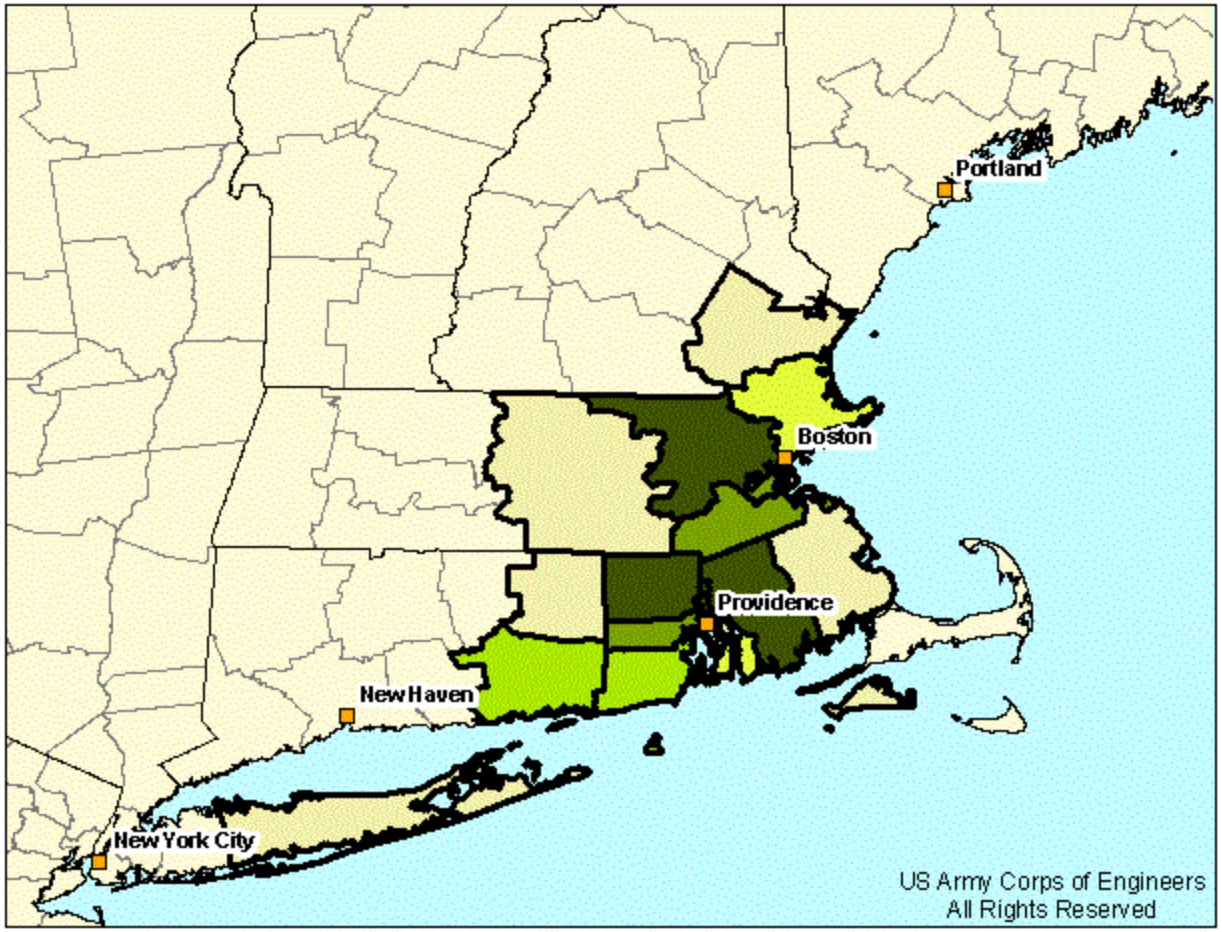
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Temporary Roofing Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!



Post Landfall Temporary Roofing Model Results

Massachusetts - 47,100
Rhode Island - 43,100
Connecticut - 5,200
New York - 1,200

Model results per County on following page

This model is based on a Category 3 storm making landfall on coastal RI.

Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 3 storm making landfall on coastal RI. These projections are based on information from the NHC (1230 EDT 08/12/2009) forecast. Temporary roofing is based on 3% in CAT 1, 6% in CAT 2 and 11% in CAT 3.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Roofing Model

Generated By:
Siemsen, LRL 1300 EDT 08/12/2009

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Temporary Roofing Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!

State	House Units per State	County	House Units per County
Connecticut		New London County	4,500
		Windham County	700
Connecticut	5,200		
Massachusetts		Bristol County	10,400
		Dukes County	< 100
		Essex County	2,400
		Middlesex County	16,800
		Norfolk County	8,500
		Plymouth County	700
		Suffolk County	6,800
		Worcester County	1,500
Massachusetts	47,100		
New Hampshire		Rockingham County	< 100
New Hampshire			
New York		Suffolk County	1,200
New York	1,200		
Rhode Island		Bristol County	1,800
		Kent County	7,500
		Newport County	3,300
		Providence County	25,200
		Washington County	5,300
Rhode Island	43,100		

Temporary roofing is based on 3% in CAT 1, 6% in CAT 2 and 11% in CAT 3.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane NoName Roofing Model

Generated By:
Siemsen, LRL 1300 EDT 08/12/2009

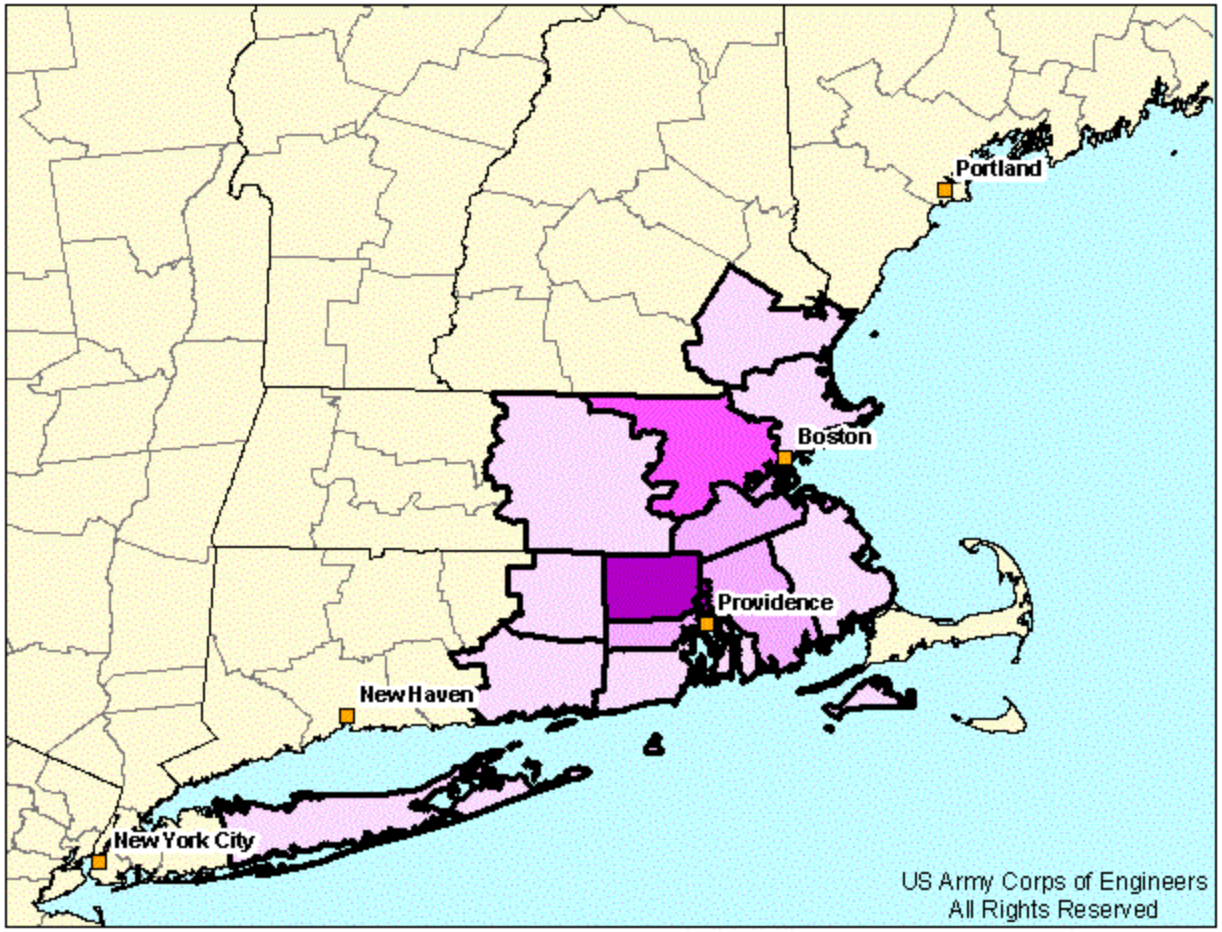
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Temporary Housing Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!



Post Landfall Temporary Housing Model Results

Massachusetts - 16,000
Rhode Island - 15,700
Connecticut - 1,900
New York - 500

Model results per County on following page

This model is based on a Category 3 storm making landfall on coastal RI.

Temporary Housing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 3 storm making landfall on coastal RI. These projections are based on information from the NHC (1230 EDT 08/12/2009) forecast. Temporary housing is based on 1% in CAT 1, 2% in CAT 2 and 4% in CAT 3. The number indicated represents a possible need but not necessarily the scope of mission for USACE.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Housing Model

Generated By:
Siemsen, LRL 1300 EDT 08/12/2009

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Temporary Housing Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!

State	House Units per State	County	House Units per County
Connecticut		New London County	1,600
		Windham County	300
Connecticut	1,900		
Massachusetts		Bristol County	3,600
		Dukes County	< 100
		Essex County	800
		Middlesex County	5,600
		Norfolk County	2,900
		Plymouth County	300
		Suffolk County	2,300
		Worcester County	500
Massachusetts	16,000		
New Hampshire		Rockingham County	< 100
New Hampshire			
New York		Suffolk County	500
New York	500		
Rhode Island		Bristol County	700
		Kent County	2,700
		Newport County	1,200
		Providence County	9,100
		Washington County	2,000
Rhode Island	15,700		

Temporary housing is based on 1% in CAT 1, 2% in CAT 2 and 4% in CAT 3.
The number indicated represents a possible need but not necessarily the scope of mission for USACE.

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Source: US Army Corps of Engineers, All Rights Reserved

Hurricane NoName Housing Model

Generated By:
Siemsen, LRL 1300 EDT 08/12/2009

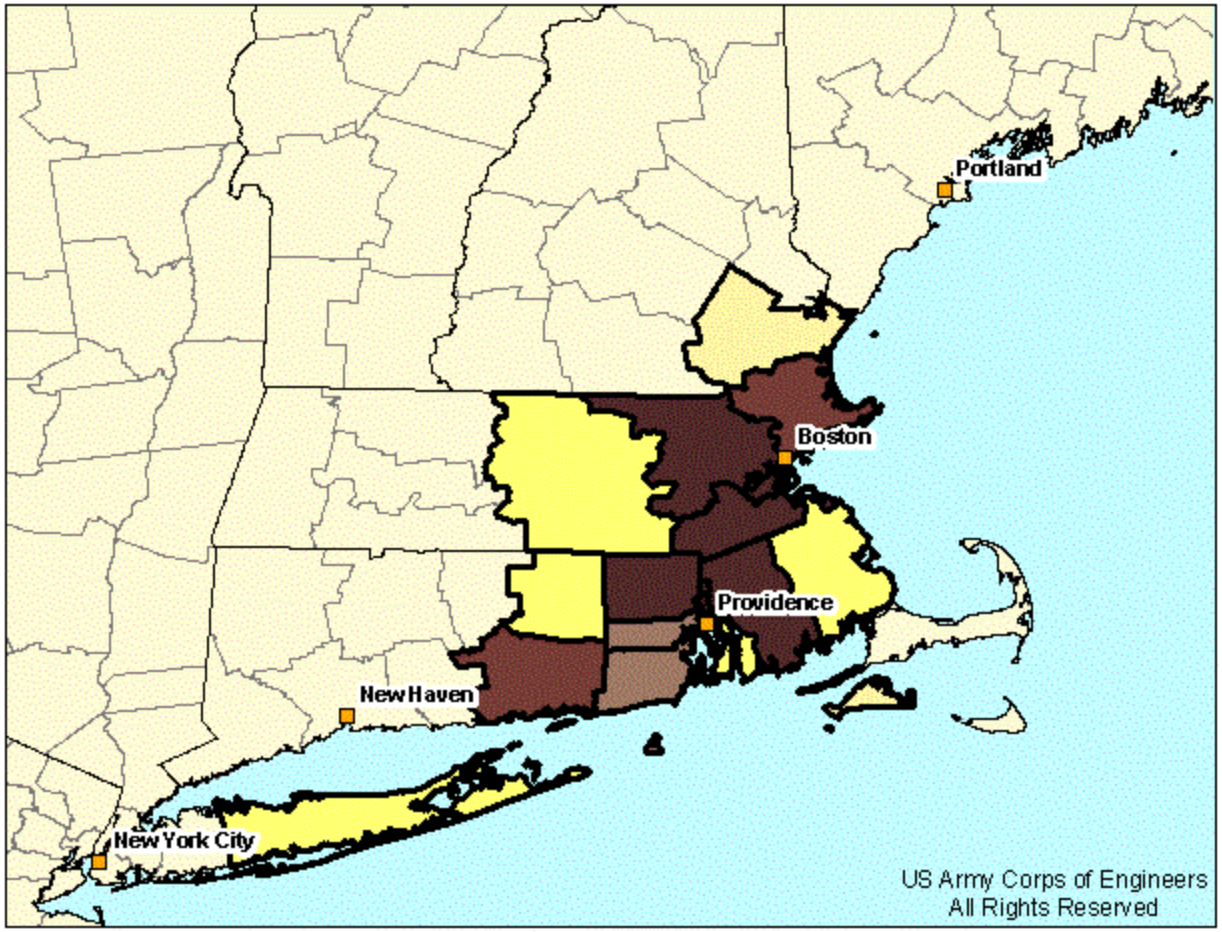
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Population Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!



Post Landfall Population Model Results

Massachusetts - 2,968,000
Rhode Island - 1,054,000
Connecticut - 283,000
New York - 56,000

Model results per County on following page

This model is based on a Category 3 storm making landfall on coastal RI.

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 3 storm making landfall on coastal RI. These projections are based on information from the NHC (1230 EDT 08/12/2009) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2008 values).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Population Model	
Generated By: Siemsen, LRL 1300 EDT 08/12/2009	
Sources: HURREVAC LRL-DEBRIS	Page 10 of 13

US Army Corps of Engineers

Hurricane NoName Population Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!

State	Population per State	County	Population per County
Connecticut		New London County	231,000
		Windham County	52,000
Connecticut	283,000		
Massachusetts		Bristol County	528,000
		Dukes County	< 1,000
		Essex County	220,000
		Middlesex County	1,061,000
		Norfolk County	463,000
		Plymouth County	64,000
		Suffolk County	540,000
		Worcester County	92,000
Massachusetts	2,968,000		
New Hampshire		Rockingham County	< 1,000
New Hampshire			
New York		Suffolk County	56,000
New York	56,000		
Rhode Island		Bristol County	50,000
		Kent County	169,000
		Newport County	81,000
		Providence County	627,000
		Washington County	127,000
Rhode Island	1,054,000		

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2008 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane NoName Population Model

Generated By:
Siemsen, LRL 1300 EDT 08/12/2009

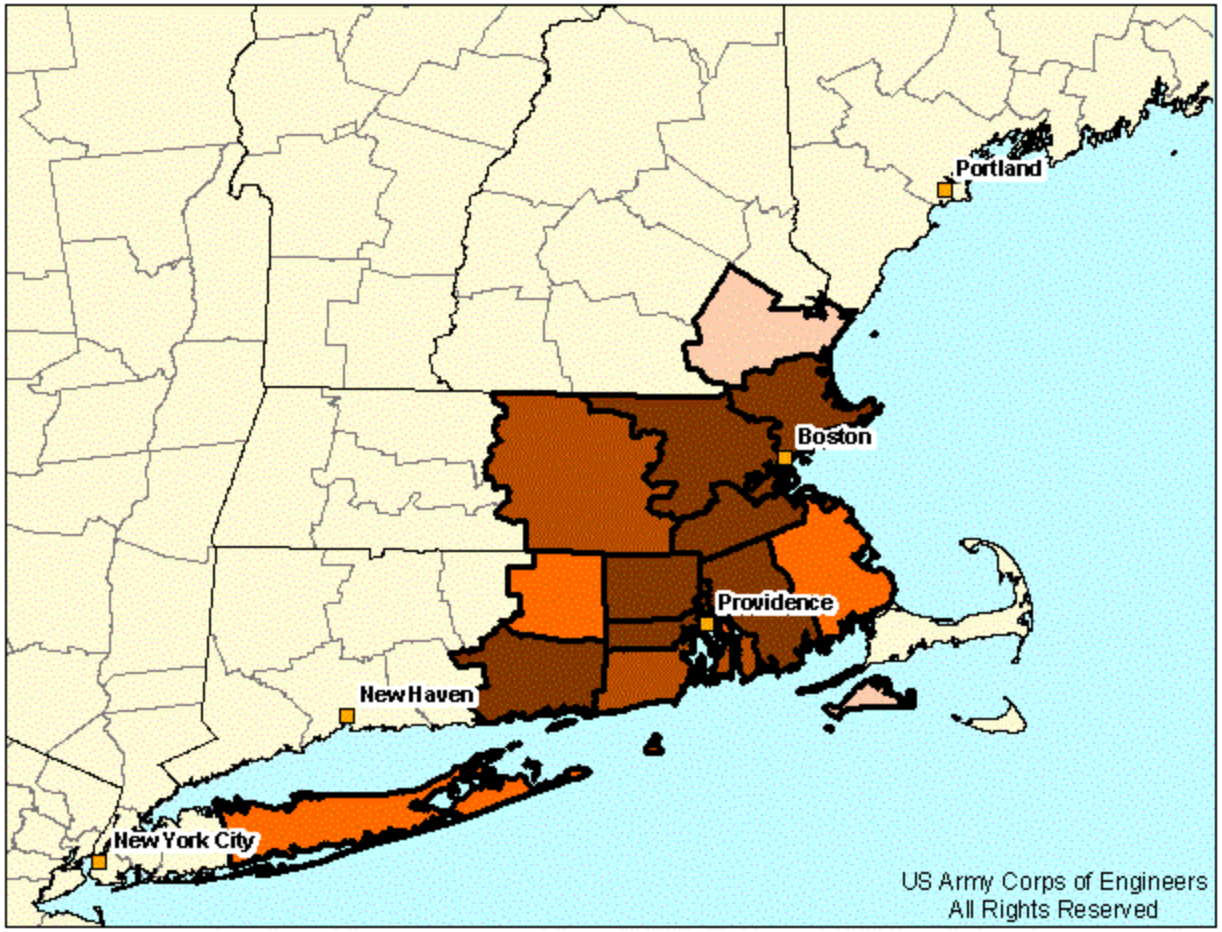
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Households Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!



0 100 200 Miles

Post Landfall Households Model Results

Massachusetts - 1,143,000
Rhode Island - 411,000
Connecticut - 110,000
New York - 24,000

Model results per County on following page

This model is based on a Category 3 storm making landfall on coastal RI.

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 3 storm making landfall on coastal RI. These projections are based on information from the NHC (1230 EDT 08/12/2009) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2008 values).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Households Model	
Generated By: Siemsen, LRL 1300 EDT 08/12/2009	
Sources: HURREVAC LRL-DEBRIS	Page 12 of 13

US Army Corps of Engineers

Hurricane NoName Households Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!

State	Households per State	County	Households per County
Connecticut		New London County	90,000
		Windham County	20,000
Connecticut	110,000		
Massachusetts		Bristol County	203,000
		Dukes County	< 1,000
		Essex County	80,000
		Middlesex County	412,000
		Norfolk County	171,000
		Plymouth County	24,000
		Suffolk County	219,000
		Worcester County	34,000
Massachusetts	1,143,000		
New Hampshire		Rockingham County	< 1,000
New Hampshire			
New York		Suffolk County	24,000
New York	24,000		
Rhode Island		Bristol County	19,000
		Kent County	68,000
		Newport County	34,000
		Providence County	242,000
		Washington County	48,000
Rhode Island	411,000		

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2008 values.

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Hurricane NoName Households Model

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Sources:
HURREVAC
LRL-DEBRIS